

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)



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Applicant's or agent's file reference APF-064	FOR FURTHER ACTION		See Form PCT/IPEA/416
International application No. PCT/KR2004/003207	International filing date(day/month/year) 08 DECEMBER 2004 (08.12.2004)	Priority date (day/month/year) 22 DECEMBER 2003 (22.12.2003)	
International Patent Classification (IPC) or national classification and IPC B63B 7/00(2006.01)i			
Applicant PARK, Sun-Jae			

- This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 4 sheets, including this cover sheet.
- This report is also accompanied by ANNEXES, comprising:
 - ☐ (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:
 - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
 - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
 - ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box relating to Sequence Listing (see Section 802 of the Administrative Instructions).
- This report contains indications relating to the following items:
 - ☒ Box No. I Basis of the report
 - ☐ Box No. II Priority
 - ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
 - ☐ Box No. IV Lack of unity of invention
 - ☒ Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
 - ☐ Box No. VI Certain documents cited
 - ☐ Box No. VII Certain defects in the international application
 - ☐ Box No. VIII Certain observations on the international application

Date of submission of the demand 08 APRIL 2005 (08.04.2005)	Date of completion of this report 21 APRIL 2006 (21.04.2006)
Name and mailing address of the IPEA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer PARK, SUNG WOO Telephone No. 82-42-481-8140 

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/KR2004/003207

Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☒ This report is based on translations from the original language into the following language English, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3 and 23.1(b))
- ☒ publication of the international application (under Rule 12.4)
- ☐ international preliminary examination (under Rules 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☒ the international application as originally filed/furnished
- ☐ the description:
- pages _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ the claims:
- pages _____ as originally filed/furnished
- pages* _____ as amended (together with any statement) under Article 19
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ the drawings:
- pages _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ the sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1 - 7	YES
	Claims		NO
Inventive step (IS)	Claims	1 - 7	YES
	Claims		NO
Industrial applicability (IA)	Claims	1 - 7	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

D1: KR 10-2003-0010961 A (DAL IK BAE) 6 February 2003

D2: US 5477804 A (JHU YUON CHAN) 26 December 1995

D1 relates to a fabricated boat for being loaded into a car, which comprises a bow member, plural connecting members and a stern member. The bow member has a packing recess fitted with a packing, plural connecting bar insertion holes, and a door for exposing the connecting bar insertion holes. The plural connecting members have packing recesses aligned with the packing recess of the bow member and the plural connecting bar insertion holes. The stern member includes a door having plural connecting bar insertion holes and exposing the connecting bar insertion holes. The packing fitted in the connecting face of the stern member keeps the airtightness between the packing recesses. Plural connecting bars are fitted into the connecting bar insertion holes.

D2 relates to a folding collapsible power boat including a hull consisting of a forward hull section and an aft hull section longitudinally hinged together, two pairs of floats respectively bilaterally hinged to the forward hull section and the aft hull section and moved between the non-operative position and the operative position, and a stretcher unit having a cross bar inserted through a transverse groove between the forward and aft hull sections and two parallel tie rods joined by the cross bar and bridged over the floats to hold them in the operative position.

(Continued on Supplemental Sheet.)

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of:

Box V.

(1) Novelty (N) and Inventive Step (IS)

The present invention relates to a fabricated boat which comprises a body part (100) covered with an outer cover (200) including a bow part (160), a middle part (150) and a stern part (170), and an air tube (300) for increasing the buoyance located in the outer cover (200). The fabricated boat has characteristics of simplicity of assembly, inclusion of the means of increasing buoyance, and portability.

The air tube (300) for increasing buoyance when the boat is damaged, and the structure of the body (100) consisting of said three parts (150, 160, 170) are not rendered obvious from the prior art, and there is a striking difference between the present invention and the cited inventions of D1 and D2.

Therefore, the subject-matter of claim 1 is considered to be novel (PCT Article 33(2)) and to involve an inventive step (PCT Article 33(3)).

Claims 2 to 7 also comply with the requirements of PCT Article 33(2) and (3) as they are dependent on claim 1.

(2) Industrial Applicability (IA)

It is considered that the present invention is industrially applicable to a fabricated boat which can be easily assembled/disassembled and carried, and which can increase buoyance by the air tube therein.

Therefore, claims 1 to 7 meet the requirement of PCT Article 33(4).